

Figure 1

MRVLCAFPEAMPSSNSRPPACLAPGALYLA 30
 LLLHLSLSSQA GDRRPLPVDRAAGLKEKTL 60
 ILLDV STK NPVRTVNENFLSLQLDPSIIHD 90
 GWLDFL SSK RLVTLARGLSPAFLRFGGKRT 120
 DFLQFQNLRNPAKSRGGPGPDYYLKNYEDD 150
 IVRSDVALDKQKGCKIAQHDPVMLELQREK 180
 AAQMHLVLLKEQFSNTYSNLILTEPNNYRT 210
 MHGRAV NGS QLGKDYIQLKSLLQPIRIYSR 240
 ASLYGPNIGRPRKNVIALLDGFMKVAGSTV 270
 DAVTWQHICYIDGRVVKVMDFLKTRLLDTLS 300
 DQIRKIQKVNTYTPGKKIWLEGVVTTTSAG 330
 GTN NLS DSYAAGFLWLNTLGMLANQGIDVV 360
 IRHSFFDHGYNHLVDQNFNPLPDYWLSLLY 390
 KRLIGPKVLAVHVAGLQRKPRPGRVIRDKL 420
 RIYAHCTNHHNHNYVRGSITLFIINLHR SR 450
KKIKLAG TLR DKLVHQYLLQPYGQEGGLKSK 480
 SVQLNGQPLVMVDDGTLPELKPRPLRAGRT 510
 LVIPPVTMGFFVVKNVNALACRYR 534

Figure 2A

HEPI	--MLRSKPALP-----PP-----LMLLLLGLPLSPGALPRPA-----QAQDV
HEPII	MRVLCAFPEAMPSSNSRPPACLAPGALYIALLLHLSLSSQA GDRRPLPVDRAAGLKEKTL
	: * * : * * * * * * * * : :
HEPI	VLDLFFTQEPLHLVSPSFLSVTIDANLATDPRFLILLGSPKRLRTLARGLSPAYLRFGGTK
HEPII	ILLDVSTKNPVRTVNENFLSLQLDPSIIHDG-WLDFLSSKRLVTLARGLSPAFRLFGGKR
	: * * . * : * : * * : * : * * : * * : * * : * * : * : :
HEPI	TDFLIFFD PKKEST FEERSYWQSQVNQDICKYGSIPPDVEEKLRLWPYQEQLLLRE HYQK
HEPII	TDFLQFQ NLRN --- PAKSR -----GGPGPDYILKNYEDDIVRSDVAL DK --- QK
	* * * * * : * : * : * : * : * : * : * :
HEPI	KFKNSTYSRSSVDVLYTFANC SGLDLIFGLNALRLTADLQWNSSNAQLLLDYCSSKGYN
HEPII	GCKIAQHP ----DVMLELQREK-----AAQMHVLVLLKEQFSNTYSNLIL---T-----
	* : : . * : * : * : * : * : * : * :
HEPI	SWELGNEPNSFLKKADIFINGSQLGEDFIQLHKLLRKS-TFKNAKLYGPDVGQPRRKTA
HEPII	---E---PNNYRTMHGRAVNGS QLGKDYIQLKSL LQPIRIYSRASLYGPNIGRPRKNVIA
	* * : . . * : * * * * : * : * * * * : * : * * * * : * : * * * * :
HEPI	MLKSFLKAGGEVIDSVTWHHYLNGRTATKEDFLNPDDVLDFISSVQKVQVVESTRPCK
HEPII	LLDGFMKVAGSTVDAVTWQHCHYIDGRVVKVMDFLKTRLLDTLSDQIRKIQKVNTYTPGK
	: * . . : * : * : * * * : * : * * * : * : * : * : * : * : * : * :

HEPI KVLGETSSAYGGAPLLSDTFAAGFMWLDKGLSARMGIEVVMRQVFFGAGNYHLVDEN
HEPII KIWLEGVVTT SAGGTNNLSDSYAAGFLWLNTLGMLANQGDVIRHSFFDHGYNHLVDQN
 : *:* *:* *:* *:* *:* *:* *:* *:* *:* *:* *:* *:
HEPI FDPLPDYWLSSLFFKKLVGTKVLMASVQGSKRR-----KLRVYLHCTNTDNPYKEG
HEPII FNPLPDYWLSSLYKRLIGPKVLAVHVAGLQRKPRGRVIRDKLRIYAHCTNHHNHNYYVRG
 : *:* *:* *:* *:* *:* *:* *:* *:* *:* *:* *:* *:
HEPI DLTLYA INLHNVTKYLRLPYPFSNKQVDKYLLRPLGPHGLLSKSVQLNGLTLKMWDDQTL
HEPII SITLFI INLHRSRKKIKLAGTLRDKLVHQYLLQPYGQEGLSKSVQLNGQPLVMVDDGTL
 : *:* *:* *:* *:* *:* *:* *:* *:* *:* *:* *:* *:
HEPI PPLMEKPLRPGSSGLPAFSYSFFVIRNAKVAACI--
HEPII PELKPRPLRAGRTLVIPVTMGFFVKNVNALACRYR
 *

Figure 3

